

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/003330

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01S3/067 H01S3/10		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01S H04B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 172 801 B1 (TAKEDA MIKI ET AL) 9 January 2001 (2001-01-09) column 14, line 46 - column 15, line 41; figures 3,13,15 column 16, lines 6-22 column 18, lines 6-21 column 20, lines 29-40 column 22, lines 7-16	1-13, 18-31
X	EP 0 772 264 A (NIPPON ELECTRIC CO) 7 May 1997 (1997-05-07) column 4, line 5 - column 5, line 58; figures 2-4 column 6, lines 7-47 <div style="text-align: center;">-/--</div>	1,3-7, 14-23, 26,27, 29,30
<div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex. </div>		
* Special categories of cited documents :		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*&* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search <div style="text-align: center; font-weight: bold;">7 October 2004</div>		Date of mailing of the international search report <div style="text-align: center; font-weight: bold;">18/10/2004</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer <div style="text-align: center; font-weight: bold;">Laenen, R</div>

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 11, 28 November 1997 (1997-11-28) & JP 9 186383 A (OKI ELECTRIC IND CO LTD), 15 July 1997 (1997-07-15) abstract -----	1,14,26, 30
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01, 30 January 1998 (1998-01-30) & JP 9 236836 A (NEC CORP), 9 September 1997 (1997-09-09) abstract -----	1,14,26, 30
X	US 5 184 247 A (SCHIMPE ROBERT) 2 February 1993 (1993-02-02) column 3, line 11 - column 5, line 10; figures 1,2,4 -----	1,4-8,30

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Information on patent family members

International Application No

PCT/GB2004/003330

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6172801	B1	09-01-2001	JP	10200182 A		31-07-1998
			CN	1188354 A , B		22-07-1998
			GB	2321129 A , B		15-07-1998
EP 0772264	A	07-05-1997	JP	2907083 B2		21-06-1999
			JP	9130328 A		16-05-1997
			JP	2910660 B2		23-06-1999
			JP	9236836 A		09-09-1997
			JP	9321373 A		12-12-1997
			DE	69627959 D1		12-06-2003
			DE	69627959 T2		27-11-2003
			EP	0772264 A2		07-05-1997
			US	6064514 A		16-05-2000
JP 9186383	A	15-07-1997	JP	3421182 B2		30-06-2003
JP 9236836	A	09-09-1997	JP	2910660 B2		23-06-1999
			DE	69627959 D1		12-06-2003
			DE	69627959 T2		27-11-2003
			EP	0772264 A2		07-05-1997
			US	6064514 A		16-05-2000
US 5184247	A	02-02-1993	DE	59007374 D1		10-11-1994
			EP	0409177 A2		23-01-1991
			JP	3057288 A		12-03-1991